From:	Guha, Biswarup <Biswarup.Guha@dep.state.nj.us>
Sent:	Friday, January 10, 2014 4:37 PM
To:	Tseng, Antony
Subject:	Issues while compiling Makefile

Antony,

Just wondering if you had a chance to recompile the makefile for DO-NUTRIENTS RCA/Water quality (under DO-NUTRIENTS/CODE). I am getting an error indicating it cannot find a library function. Not sure if I have to install something else? Before asking HDR, I wanted to make sure if you or NYState had faced similar issues or not and if so, how they were resolved. Below is my screenshot.

```
File  Edit  View  Search  Terminal  Help
fmter.f   LISCM         rca04.f  rca09.f  rcabyss.f   rcaexps.f  rcalf.f    rcasplt.f   sinter.f
junk      Makefile.pgi  rca05.f  rca10.f  RCACM       rca.f      rcalfs.f   rcasplts.f  stoich.f
junk1     rca01.f       rca06.f  rca11.f  rcadwrit.f  rcaimpl.f  rcamess.f  rca_swemNT3 sumload.f
bear@ubuntumodeling:~/Modeling/DO-NUTRIENTS/CODE$ gvim Makefile.pgi
bear@ubuntumodeling:~/Modeling/DO-NUTRIENTS/CODE$ make -f Makefile.pgi
gfortran  rcaexp.f
/usr/lib/gcc/x86_64-linux-gnu/4.7/../../../x86_64-linux-gnu/crt1.o: In function `_start':
(.text+0x20): undefined reference to `main'
/tmp/ccqUyAKY.o: In function `rcaexp_':
rcaexp.f:(.text+0xab): undefined reference to `rca08_'
rcaexp.f:(.text+0x22d): undefined reference to `rcaexp1_'
rcaexp.f:(.text+0x237): undefined reference to `rca09_'
rcaexp.f:(.text+0x4aa): undefined reference to `tuner_'
rcaexp.f:(.text+0x3b30): undefined reference to `rcamess_'
rcaexp.f:(.text+0x3ec0): undefined reference to `rca09_'
rcaexp.f:(.text+0x4144): undefined reference to `rca10_'
rcaexp.f:(.text+0x418e): undefined reference to `rca10_'
rcaexp.f:(.text+0x41d8): undefined reference to `rca10_'
rcaexp.f:(.text+0x4222): undefined reference to `rca10_'
rcaexp.f:(.text+0x424c): undefined reference to `rca11_'
rcaexp.f:(.text+0x427c): undefined reference to `rca03a_'
rcaexp.f:(.text+0x4286): undefined reference to `rcaexp1_'
rcaexp.f:(.text+0x431d): undefined reference to `rcamess_'
rcaexp.f:(.text+0x4385): undefined reference to `tuner_'
rcaexp.f:(.text+0x43a0): undefined reference to `rcamess_'
rcaexp.f:(.text+0x44e5): undefined reference to `tuner_'
collect2: error: ld returned 1 exit status
make: *** [rcaexp.o] Error 1
bear@ubuntumodeling:~/Modeling/DO-NUTRIENTS/CODE$ ls /usr/lib/gcc/x86_64-linux-gnu/4.7
4.7/   4.7.2/
bear@ubuntumodeling:~/Modeling/DO-NUTRIENTS/CODE$ ls /usr/lib/gcc/x86_64-linux-gnu/4.
4.6/   4.6.3/ 4.7/   4.7.2/
bear@ubuntumodeling:~/Modeling/DO-NUTRIENTS/CODE$ ls /usr/lib/gcc/x86_64-linux-gnu/4.7
cc1          crtendS.o      finclude        libgcc_s.so        libgomp.a    liblto_plugin.so       lto1
collect2     crtfastmath.o  include         libgcov.a          libgomp.so   liblto_plugin.so.0     lto-wrapper
crtbegin.o   crtprec32.o    include-fixed   libgfortran.a      libgomp.spec liblto_plugin.so.0.0.0
crtbeginS.o  crtprec64.o    libcaf_single.a libgfortranbegin.a libitm.a     libquadmath.a
crtbeginT.o  crtprec80.o    libgcc.a        libgfortran.so     libitm.so    libquadmath.so
crtend.o     f951           libgcc_eh.a     libgfortran.spec   libitm.spec  libssp_nonshared.a
```

Have a nice weekend.

Roop